



Built for a lifetime™

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**KAESER BSD 50T 8442614 (S/N 1295)**

Component  
**Compressor**

Fluid  
**KAESER SIGMA (OEM) M-460 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KCP47473D	---	---
Sample Date		Client Info		06 Feb 2024	---	---
Machine Age	hrs	Client Info		4510	---	---
Oil Age	hrs	Client Info		4510	---	---
Filter Age	hrs	Client Info		4510	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m	>3	0	---	---
Titanium	ppm	ASTM D5185m	>3	0	---	---
Silver	ppm	ASTM D5185m	>2	0	---	---
Aluminum	ppm	ASTM D5185m	>10	<1	---	---
Lead	ppm	ASTM D5185m	>10	0	---	---
Copper	ppm	ASTM D5185m	>50	1	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

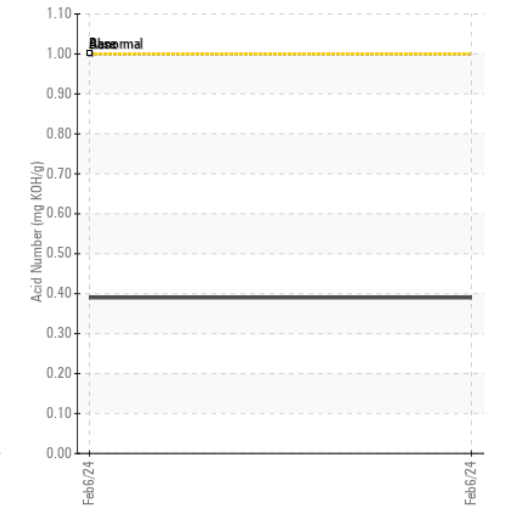
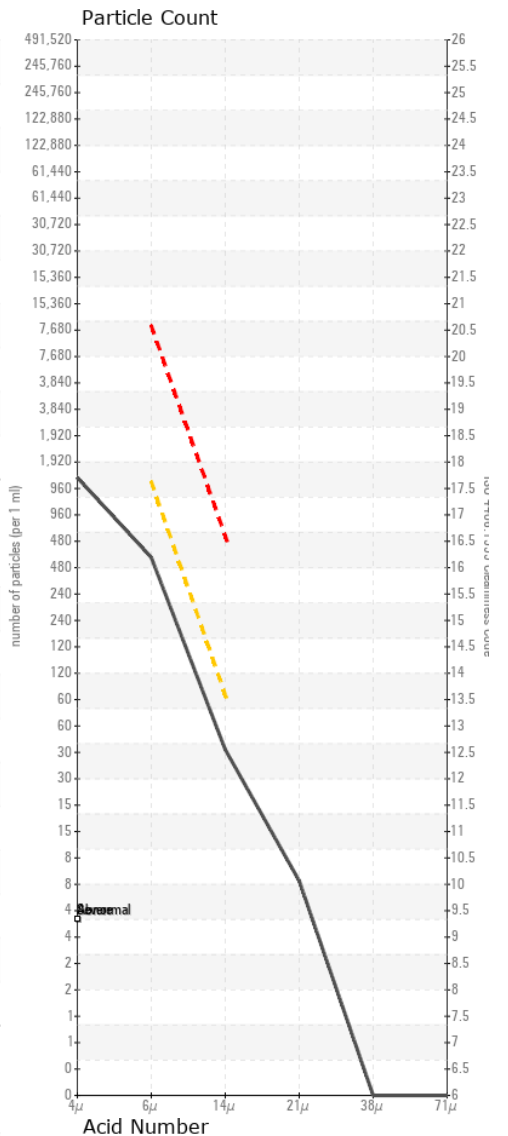
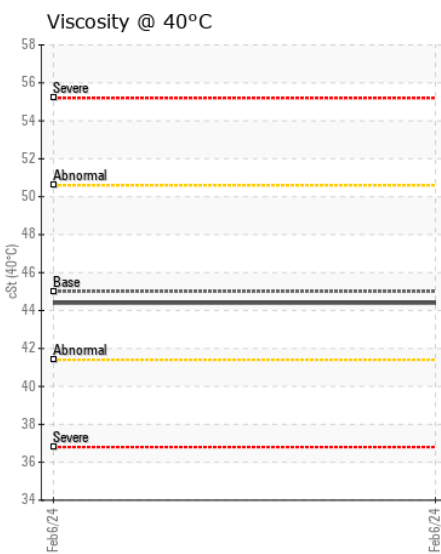
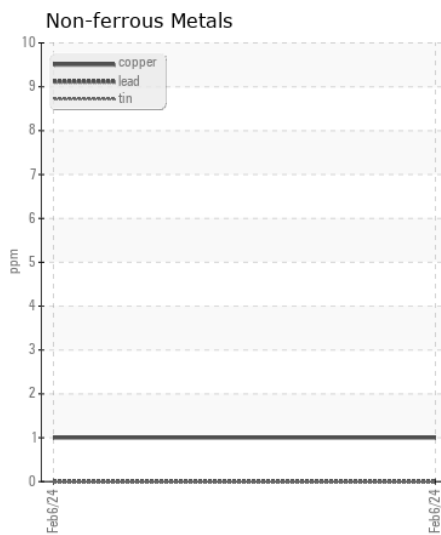
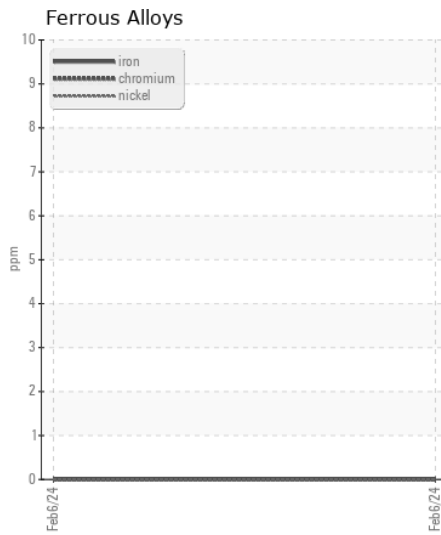
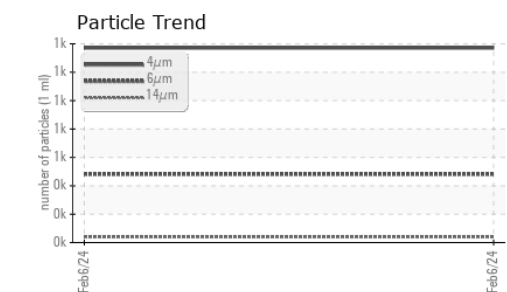
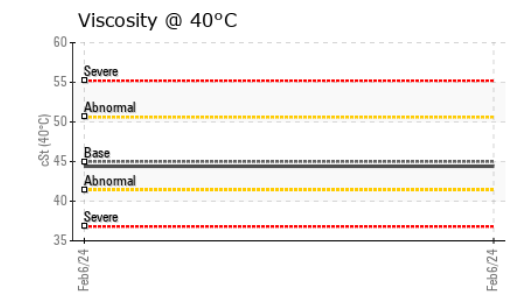
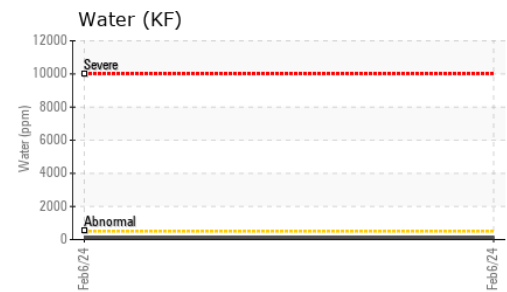
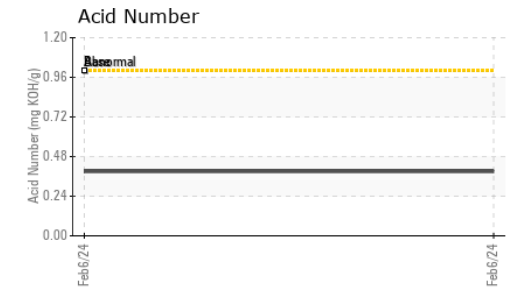
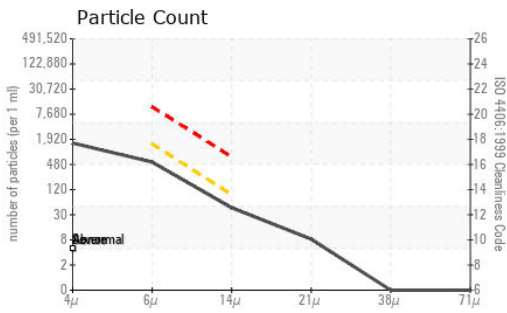
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	---	---
Potassium	ppm	ASTM D5185m	>20	5	---	---
Water	%	ASTM D6304	>0.05	0.012	---	---
ppm Water	ppm	ASTM D6304	>500	121	---	---
Particles >4µm		ASTM D7647		1371	---	---
Particles >6µm		ASTM D7647	>1300	482	---	---
Particles >14µm		ASTM D7647	>80	39	---	---
Particles >21µm		ASTM D7647	>20	7	---	---
Particles >38µm		ASTM D7647	>4	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	--/17/13	18/16/12	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---	---

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		13	---	---
Boron	ppm	ASTM D5185m	0	0	---	---
Barium	ppm	ASTM D5185m	90	12	---	---
Molybdenum	ppm	ASTM D5185m	0	0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m	100	60	---	---
Calcium	ppm	ASTM D5185m	0	<1	---	---
Phosphorus	ppm	ASTM D5185m	0	0	---	---
Zinc	ppm	ASTM D5185m	0	3	---	---
Sulfur	ppm	ASTM D5185m	23500	18668	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.39	---	---
Visc @ 40°C	cSt	ASTM D445	45	44.4	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KCP47473D **Received** : 14 Feb 2024  
**Lab Number** : 06088762 **Tested** : 15 Feb 2024  
**Unique Number** : 10876207 **Diagnosed** : 15 Feb 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**PILATUS BUSINESS AIRCRAFT**  
 12300 PILATUS WAY  
 BROOMFIELD, CO  
 US 80021  
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:  
F: